

## Bond Release Findings

**Mine Name:** Reef Mine  
**Operator:** Castle Valley Stone  
3231 North Millcreek Road  
Pleasant Grove, Utah 84062

**I.D. No.:** S0150094  
**Mineral Ownership:** SITLA  
**Surface Ownership:** SITLA  
**Permit Term:** Permit originally granted in 2006

**Disturbed Area:** 3.96 acres  
**Regraded:** 3.96 acres  
**Reseeded:** Probably 0 acres  
**Acres Bonded:** 5.0 acres

**Acres Proposed for Partial Release:** 5.0 acres  
**Acres Recommended for Partial Release:** 5.0 acres  
**Acres Remaining:** 5.0 acres would still be bonded  
 for revegetation and for limited grading

### Surety

**Amount:** \$18,600.00  
**Form:** Certificate of Deposit  
**Amount Proposed for Release:** "As much as allowable"  
**Amount Recommended for Release:** \$11,600.00  
**Amount Remaining:** \$7000.00

### **Setting and Premining Environment**

The site is located near Molen Seep east of Ferron. The mine site is a flat area but is adjacent to a cliff. The soils vary from zero to about twelve inches deep. Vegetation is dominated by shadscale, black sage and warm season grasses with areas of pinyon/juniper nearby. There are no drainage channels in the disturbed area..

### **Operations**

Operations began in about April or May of 2006 and were concluded by about August. The operator mined building stone and flagstone from near the surface using a trackhoe and a loader. A trailer and two portable toilets were on site, but they have been removed. The soil and overburden are essentially the same, and overburden was stockpiled for later redistribution. The operator sought no variances from operational or reclamation practice standards.

### **Hole Plugging**

No holes were drilled or plugged.

### **Reclamation**

Reclamation consisted of removing the trailer, toilets, and most of the stockpiled rock, and regrading soil, overburden, and waste rock.

### Mine Engineering

There are no public safety issues at this site except the adjacent natural cliff. There are no slopes or highwalls.

Some overburden and waste were pushed over the edge of the cliff during operations. The remainder has been graded over most of the site, but there are banks that were only partially graded. This material should be feathered to eliminate these banks. John Blake of SITLA agrees with this recommendation.

### Hydrology

There are no drainage channels within the disturbed area. Molen Seep may be perennial, but it was not directly affected by the operation. There could potentially be some erosion from the slopes, but there is enough rock that the amount of erosion would not be great. The site itself is nearly level, and there is almost no potential for erosion

in this area.

No pits, impoundments, or roads remain.

**Revegetation**

The postmining land use is wildlife habitat and grazing, but the operator is not seeking a release from revegetation requirements at this time. The land managing agency, SITLA, indicates another operator is interested in mining the site, but even if the site is leased, the current operator should apply an interim seed mix. I am not certain whether the site has been seeded.

**Recommendation**

Considering the current condition of the site and remaining reclamation, I recommend that \$7000.00 of the surety be retained and that \$11,600.00 be released. Before grading is considered complete, a small amount of additional grading should be done to cover the exposed rock. The palletized rock should be removed, and the site should be seeded. An interim mix could be used if the site will be mined again. John Blake with SITLA has agreed with these recommendations.



Paul B. Baker, Permit Lead



Date